

Date: Thu, 16 Sep 93 04:30:28 PDT
From: Ham-Homebrew Mailing List and Newsgroup <ham-homebrew@ucsd.edu>
Errors-To: Ham-Homebrew-Errors@UCSD.Edu
Reply-To: Ham-Homebrew@UCSD.Edu
Precedence: Bulk
Subject: Ham-Homebrew Digest V93 #45
To: Ham-Homebrew

Ham-Homebrew Digest Thu, 16 Sep 93 Volume 93 : Issue 45

Today's Topics:

311-A/B vaccuum tube info wanted.please?
Low Cost Spectrum Analyzer

Send Replies or notes for publication to: <Ham-Homebrew@UCSD.Edu>
Send subscription requests to: <Ham-Homebrew-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Homebrew Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-homebrew".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 14 Sep 93 18:12:58 GMT
From: mercury.hsi.com!a3bee2.radnet.com!cyphyn!randy@uunet.uu.net
Subject: 311-A/B vaccuum tube info wanted.please?
To: ham-homebrew@ucsd.edu

emd@ham.almanac.bc.ca writes:

:
:
:
: My 1967 ARRL Handbook lists the 211 and 311 together on the same line,
: and gives specs for almost everything EXCEPT filament voltage.
:
: My old RCA Transmitter Tubes manual, however, lists the 211 as a
: discontinued tube (in 1962). It does say the 211's filament voltage is
: 10 volts, ac or dc, and 3.25 amps current.
:
: If you need more information, I suggest you look for a '40's or 50's
: transmitting tube manual.
:
: 73, Bob.
:
Ah ...you saw what I saw! THOSE are the power triodes which we

Thought we were ordering....but this is 311A/B which is a Receiving pentode with a grid connector on top...very much like a 24A in all respects.

The A and B suffix, back in those days was not like it is now...er was ... in 60-70s... where 6AU6 and 6AU6A were the same tube except for some special detail.

Some one else said they thought it might be 24 volts... ouch! On a tube that shows .7 ohms?

I appreciate your effort....I'm on the hunt for a 40's Handbook...gotta wait til the next Hamfest tho...or get some one who dealt with 311A/B's at Western Electric.

73/tnx

--

Randy KA1UNW	If you get a shock while	
	servicing your equipment,	"Works for me!"
randy@192.153.4.200	DON'T JUMP!	-Peter Keyes
	You might break an expensive tube!	

Date: Tue, 14 Sep 93 18:25:11 GMT
From: mercury.hsi.com!a3bee2.radnet.com!cyphyn!randy@uunet.uu.net
Subject: Low Cost Spectrum Analyzer
To: ham-homebrew@ucsd.edu

joe@netcom.com (Joseph Jesson) writes:
:
snip!

: kit where a TV tuner is coupled to a sweep generator and a CA3089
: FM receiver chip is used to amplify and generate the scope's Y
: signal. You can stop the sweep and listen to the signal (FM but
: Murrey swears you can detect and listen to AM off of the 3089's
: S meter output pin).

Oh really ? Thats good to know!

:
: One of my concerns is drift, as a simple TV tuner is used. Any
: experience with this or drift correction?
:
snip!

: The scope would be connected to the AGC or S meter and the sweep generator...
:

: --

: -----
: Joseph Jesson joe@netcom.com Day (312) 856-3645 Eve (708) 356-6817
: -----

I did a sort-of similar trick:

Using a sweep osc and a home brew direct conversion receiver with it's audio out put , treble attenuated quit a lot.

As the sig. gen swept past, it would hetrodyne with the ext. signal and so be readable on a Dumont (500kc) scope.

Sure, resolution was poor, but you could track down spurs and harmonix... and get some idea how wide the signal was.

Drift...ehhh! Is is thermal? Don't forget, a TV tuner can slop around a whole lot and not bother a TV's reception.

You'd need add in AFC....but you can't cuz you are sweeping the freq!

Why not make up a comb generator (100kc calibrator with a peak-up coil on the band you want) to serve as a marker ...you'd then have each 100kc on screen and it would track the drift....so if they swim around some, it'll be in step with the signal anyway.....

--

Randy KA1UNW

 If you get a shock while
 servicing your equipment,
 DON'T JUMP!

randy@192.153.4.200

 You might break an expensive tube!

"Works for me!"

-Peter Keyes

End of Ham-Homebrew Digest V93 #45
